

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

MIYAZAKI et al

Serial No. 09/773,380

Filed: February 1, 2001

For: MR IMAGING USING ECG-PREP SCAN



Atty. Ref.: 2382-16

Group: 3737

Examiner: Lin, J.

* * * * *

Assistant Commissioner for Patents
Washington, DC 20231

March 24, 2003

AMENDMENT

RECEIVED
MAR 31 2003
TECHNOLOGY CENTER R3700

Sir:

In response to the Office Action dated September 25, 2002, please amend the above-identified patent application as follows.

IN THE CLAIMS:

Please cancel claims 1-4, 24, 32-35 and 52 without prejudice or disclaimer as to the subject matter contained therein. Please amend claims 5-12, 14-16, 18-21, 23, 25, 27-31, 36-43, 45-51, 53, 54 and 56, and add new claims 57-60, as follows. A marked-up version of the claims showing the revisions thereto is attached.

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5. (Amended) The MRI system of claim 58, wherein the first scan is carried out using a pulse sequence generating an echo signal to map echo data in a central region of a first k-space for producing the image, the central region corresponding to a lower-frequency region in a phase-encode direction of the first k-space, and

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C# M#

Serial No. 09/773,380

Group Art Unit: 3737

Filed: February 1, 2001

Examiner: J. Lin

Title: MR IMAGING USING ECG-PREP SCAN

Date: March 24, 2003

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

RESPONSE/AMENDMENT/LETTER

This is a response/amendment/letter in the above-identified application and includes an attachment which is hereby incorporated by reference and the signature below serves as the signature to the attachment in the absence of any other signature thereon.

☒ **Correspondence Address Indication Form Attached.****Fees are attached as calculated below:**

Total effective claims after amendment	50	minus highest number		
previously paid for	56	(at least 20) =	0	x \$ 18.00
				\$ 0.00
Independent claims after amendment	9	minus highest number		
previously paid for	7	(at least 3) =	2	x \$ 84.00
				\$ 168.00
If proper multiple dependent claims now added for first time, add \$280.00 (ignore improper)				\$ 0.00
Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s) (\$110.00/1 month; \$410.00/2 months; \$930.00/3 months)				\$ 930.00
Terminal disclaimer enclosed, add \$ 110.00				\$ 0.00
<input type="checkbox"/> First/second submission after Final Rejection pursuant to 37 CFR 1.129(a) (\$750.00)				\$ 0.00
<input type="checkbox"/> Please enter the previously unentered, filed				
<input type="checkbox"/> Submission attached				

Subtotal \$ 1098.00

If "small entity," then enter half (1/2) of subtotal and subtract **-\$ 0.00**
☐ Applicant claims "small entity" status. ☐ Statement filed herewith

Rule 56 Information Disclosure Statement Filing Fee (\$180.00) \$ 0.00

Assignment Recording Fee (\$40.00) \$ 0.00

Other: Information Disclosure Statement 180.00

TOTAL FEE ENCLOSED \$ 1278.00

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

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NIXON & VANDERHYE P.C.
By Atty: Updeep S. Gill, Reg. No. 37,334

Signature: _____